

## **PRODUCTION DATA REPORT**

**Project 1108-13**

**Supplementary Report Ten**

**to**

**FOURDRINIER KRAFT BOARD INSTITUTE, INC.**

**May 1, 1955**

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THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

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The production data contained herein represent the production of linerboard as reported by the following Fourdrinier Kraft Board Institute member mills for the first quarter of 1955:

The Brown Paper Mill Co., Inc.

The Chesapeake Corporation of Virginia

Continental Can Company, Inc.

Gaylord Container Corporation

International Paper Company

Macon-Rome Kraft Company

National Container Corporation

North Carolina Pulp Co. & Kieckhefer Container Co.

St. Joe Paper Company

St. Regis Paper Company

Southern Paperboard Corporation

Union Bag and Paper Corporation

West Virginia Pulp and Paper Company

As in previous reports, the data have been tabulated according to (1) total production by quarters and (2) production by grades by quarters.

The total production for the first quarter of 1955 is given in Table I and graphically illustrated in Figure 1. The total production for the previous four quarters is also included in Table I and Figure 1 for comparison. The production by grades per quarter may be seen in Table II together with the corresponding tonnage for the

previous four quarters. In addition, percentage production by grades is given in Table III for the current quarter and the previous four quarters. These figures are based on the total production per quarter computed separately with the miscellaneous figure included and with the miscellaneous figure excluded. The major tonnage grades--namely, 26-lb., 33-lb., 38-lb., 42-lb., 47-lb., 69-lb., 90-lb., and miscellaneous are illustrated in Figures 2 through 9, respectively, together with the production for the previous quarters.

In order to give a better perspective of the above data, the tonnages for the major grades have been plotted on a semi-logarithmic scale (see Figure 10) for the purpose of comparing the change in production of these grades. A useful measure is the "percentage change" which is defined as the change in production in tons for the present quarter divided by the tonnage level of the previous quarter. The advantage of semi-log graphs in this case is that the "percentage change" may be compared readily even though the magnitude of the tonnage levels may be vastly different. When two lines are parallel (regardless of magnitude), the "percentage change" of these two items is the same. When two lines are not parallel, the one with the greater (steeper) slope has the higher "percentage change."

There are a number of comparisons which may be of interest. Some of these are the following:

1. The figure for total production increased from 853.4 thousand tons for the fourth quarter of 1954 to 886.5 thousand tons for the first

quarter of 1955, the highest tonnage recorded since the inception of these reports. If this rate of production continues throughout the year, the yearly tonnage will be in the neighborhood of 3,546,000 tons.

2. Compared with the fourth quarter of 1954, the tonnages of the following major grades increased slightly:

33-lb., 42-lb., 69-lb., and 90-lb.

3. Compared with the fourth quarter of 1954, the tonnages of the following major grades decreased slightly:

26-lb., 38-lb., and 47-lb.

4. The tonnage of miscellaneous linerboard increased from 71,204 for the fourth quarter of 1954 to 91,673 for the first quarter of 1955. This increase is somewhat greater than the over-all tonnage increase on a percentage basis.

TABLE I

TOTAL PRODUCTION OF ALL GRADES

Total Tonnage

1954	
1st quarter	720,954
2nd quarter	770,597
3rd quarter	765,742
4th quarter	852,434
1955	
1st quarter	886,487

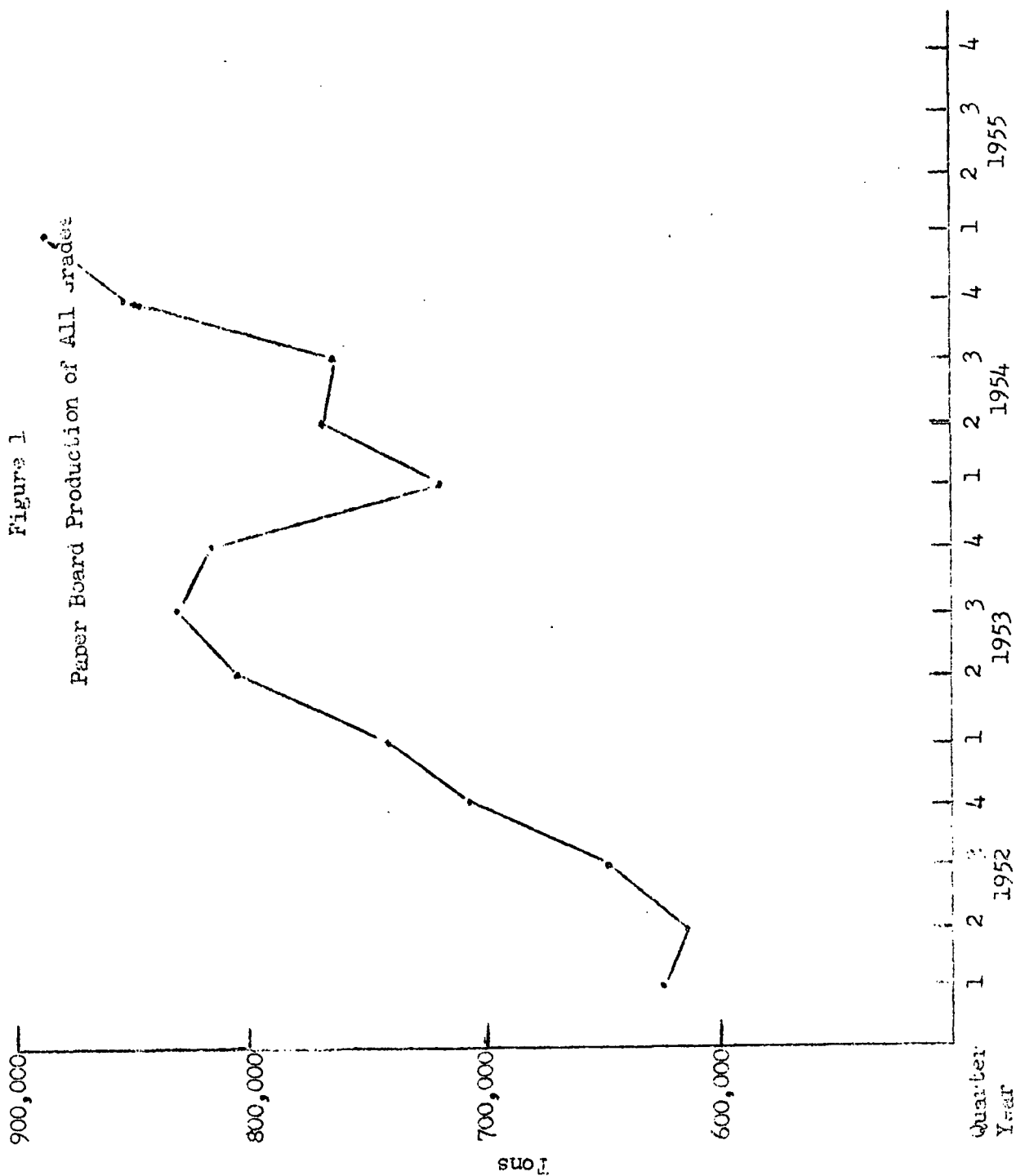


TABLE II

TOTAL TONNAGE BY GRADE

	26-lb.	28-lb.	30-lb.	32-lb.	33-lb.	36-lb.	37-lb.	38-lb.	40-lb.	42-lb.
1954										
1st quarter	70,622	3,646	699	345	38,973	182	--	39,627	--	345,076
2nd quarter	76,843	5,347	--	314	42,568	317	--	46,468	27	361,666
3rd quarter	72,913	5,485	930	559	35,905	513	--	55,313	--	363,272
4th quarter	77,474	2,301	444	635	41,648	71	512	61,492	--	395,928
1955										
1st quarter	74,470	2,948	2,113	465	47,507	1,251	357	60,999	768	399,826
	45-lb.	47-lb.	50-lb.	51-lb.	52-lb.	54-lb.	56-lb.	57-lb.	59-lb.	60-lb.
1954										
1st quarter	105	38,093	1,399	--	1,501	45	323	--	--	--
2nd quarter	--	50,824	1,558	3,253	1,074	--	415	--	--	--
3rd quarter	88	43,774	672	670	1,099	--	371	--	--	27
4th quarter	13,827	39,947	877	44	1,359	--	441	--	155	67
1955										
1st quarter	13,612	36,952	1,431	209	1,307	--	253	204	144	--
	62-lb.	64-lb.	65-lb.	69-lb.	75-lb.	85-lb.	90-lb.	92-lb.	Miscel- laneous	
1954										
1st quarter	--	440	--	64,709	163	5	33,317	--	81,684	
2nd quarter	--	6,851	--	72,930	--	5	39,791	--	60,346	
3rd quarter	100	5,998	--	74,291	11	62	38,961	--	64,728	
4th quarter	482	8,348	917	92,112	281	--	42,835	33	71,204	
1955										
1st quarter	94	7,577	2,417	94,340	279	--	45,291	--	91,673	

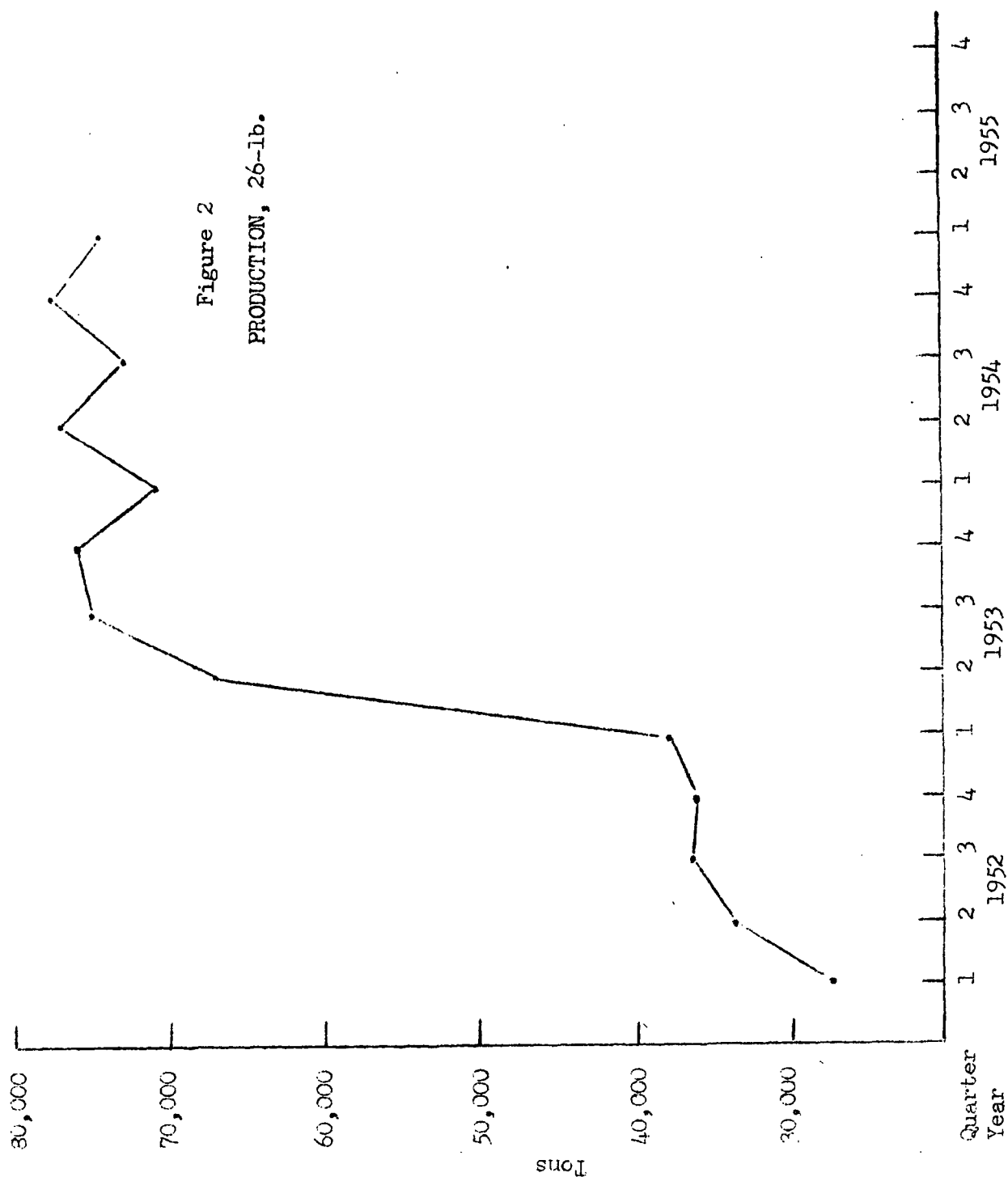
TABLE III

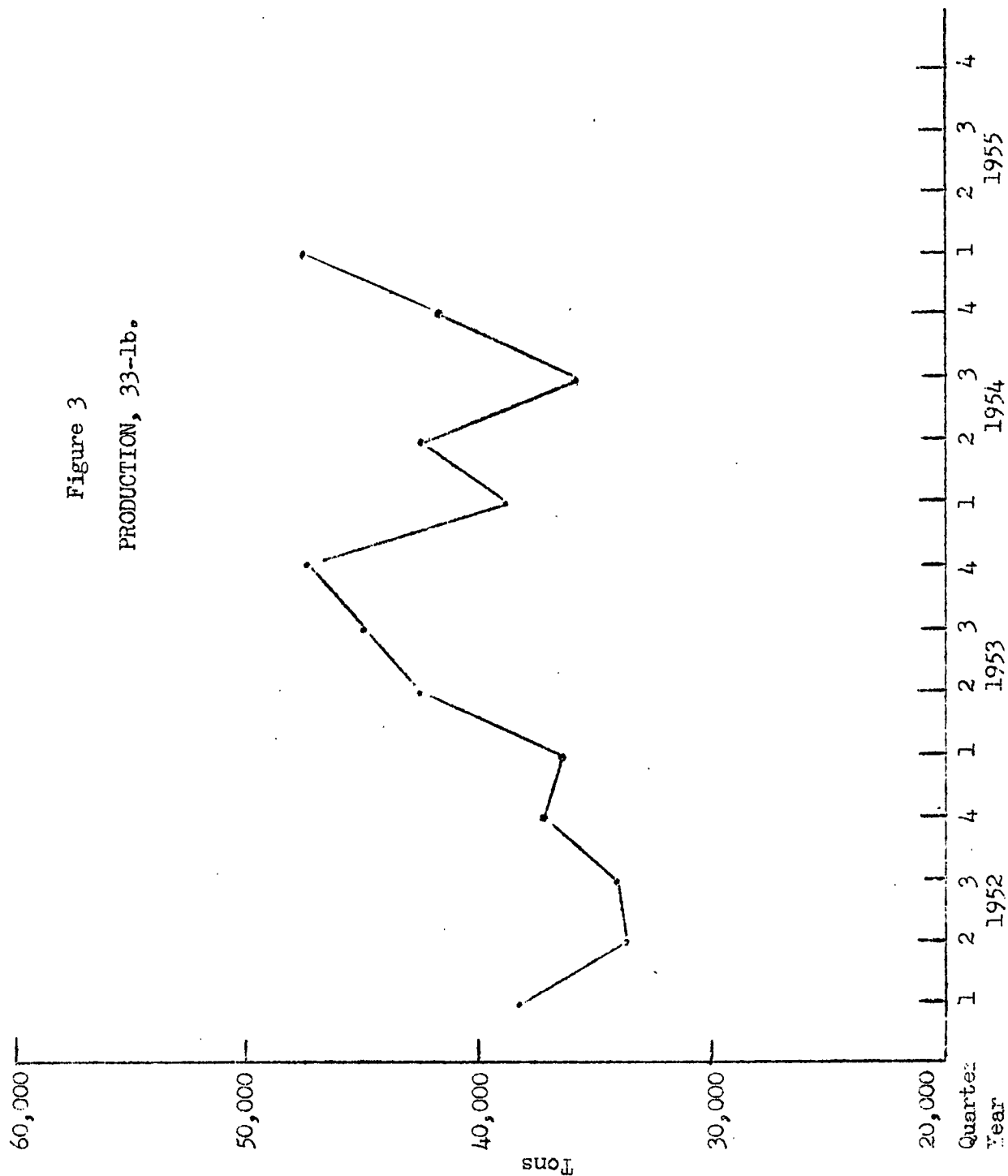
TOTAL PRODUCTION BY GRADES, PER CENT

	26-lb. Grade		28-lb. Grade		30-lb. Grade		32-lb. Grade		33-lb. Grade		36-lb. Grade		37-lb. Grade		38-lb. Grade		40-lb. Grade		59-lb. Grade	
	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>
1954																				
1st quarter	9.8	11.0	0.5	0.6	0.1	0.1	c	0.1	5.4	6.1	c	c	--	--	5.5	6.2	--	--	--	--
2nd quarter	10.0	10.8	0.7	0.8	--	c	c	c	5.5	6.0	c	c	--	--	6.0	6.5	c	c	--	--
3rd quarter	9.5	10.4	0.7	0.8	0.1	0.1	0.1	0.1	4.7	5.1	0.1	0.1	--	--	7.2	7.9	--	--	--	--
4th quarter	9.1	9.9	0.3	0.3	0.1	0.1	0.1	0.1	4.9	5.3	c	c	0.1	0.1	7.2	7.9	--	--	--	--
1955																				
1st quarter	8.4	9.4	0.3	0.4	0.2	0.3	0.1	0.1	5.4	6.0	0.1	0.2	c	c	6.9	7.7	0.1	0.1	--	--
1954																				
1st quarter	47.9	54.0	c	c	5.3	6.0	0.2	0.2	--	--	0.2	0.2	c	c	0.1	0.1	--	--	--	--
2nd quarter	46.9	50.9	--	--	6.6	7.2	0.2	0.2	0.4	0.5	0.1	0.2	--	--	0.1	0.1	--	--	--	--
3rd quarter	47.4	51.8	c	c	5.7	6.2	0.1	0.1	0.1	0.1	0.1	0.2	--	--	c	0.1	--	--	--	--
4th quarter	46.4	50.6	1.6	1.8	4.7	5.1	0.1	0.1	c	c	0.2	0.2	--	--	0.1	0.1	--	--	c	c
1955																				
1st quarter	45.1	50.3	1.5	1.7	4.2	4.6	0.2	0.2	c	c	0.1	0.2	--	--	c	c	c	c	--	--
1954																				
1st quarter	60-lb. With <sup>a</sup>	Grade With- out <sup>b</sup>	62-lb. With <sup>a</sup>	Grade With- out <sup>b</sup>	64-lb. With <sup>a</sup>	Grade With- out <sup>b</sup>	65-lb. With <sup>a</sup>	Grade With- out <sup>b</sup>	69-lb. With <sup>a</sup>	Grade With- out <sup>b</sup>	75-lb. With <sup>a</sup>	Grade With- out <sup>b</sup>	85-lb. With <sup>a</sup>	Grade With- out <sup>b</sup>	90-lb. With <sup>a</sup>	Grade With- out <sup>b</sup>	92-lb. With <sup>a</sup>	Grade With- out <sup>b</sup>	Miscel- aneous With <sup>a</sup>	
1st quarter	--	--	--	--	0.1	0.1	--	--	9.0	10.1	c	c	c	c	4.6	5.2	--	--	11.3	
2nd quarter	--	--	--	--	0.9	1.0	--	--	9.5	10.3	--	--	c	c	5.2	5.6	--	--	7.8	
3rd quarter	c	c	c	c	0.8	0.9	--	--	9.7	10.6	c	c	c	c	5.1	5.6	--	--	8.5	
4th quarter	c	c	0.1	0.1	1.0	1.1	0.1	0.1	10.8	11.8	c	c	--	--	5.0	5.5	c	c	8.3	
1955--1st quarter	--	--	c	c	0.9	1.0	0.3	0.3	10.6	11.9	c	c	--	--	5.1	5.7	--	--	10.3	

a Percentage based on the total production of all grades including Miscellaneous.  
b Percentage based on the total production of all grades excluding Miscellaneous.  
c Less than a tenth of a per cent after rounding off.







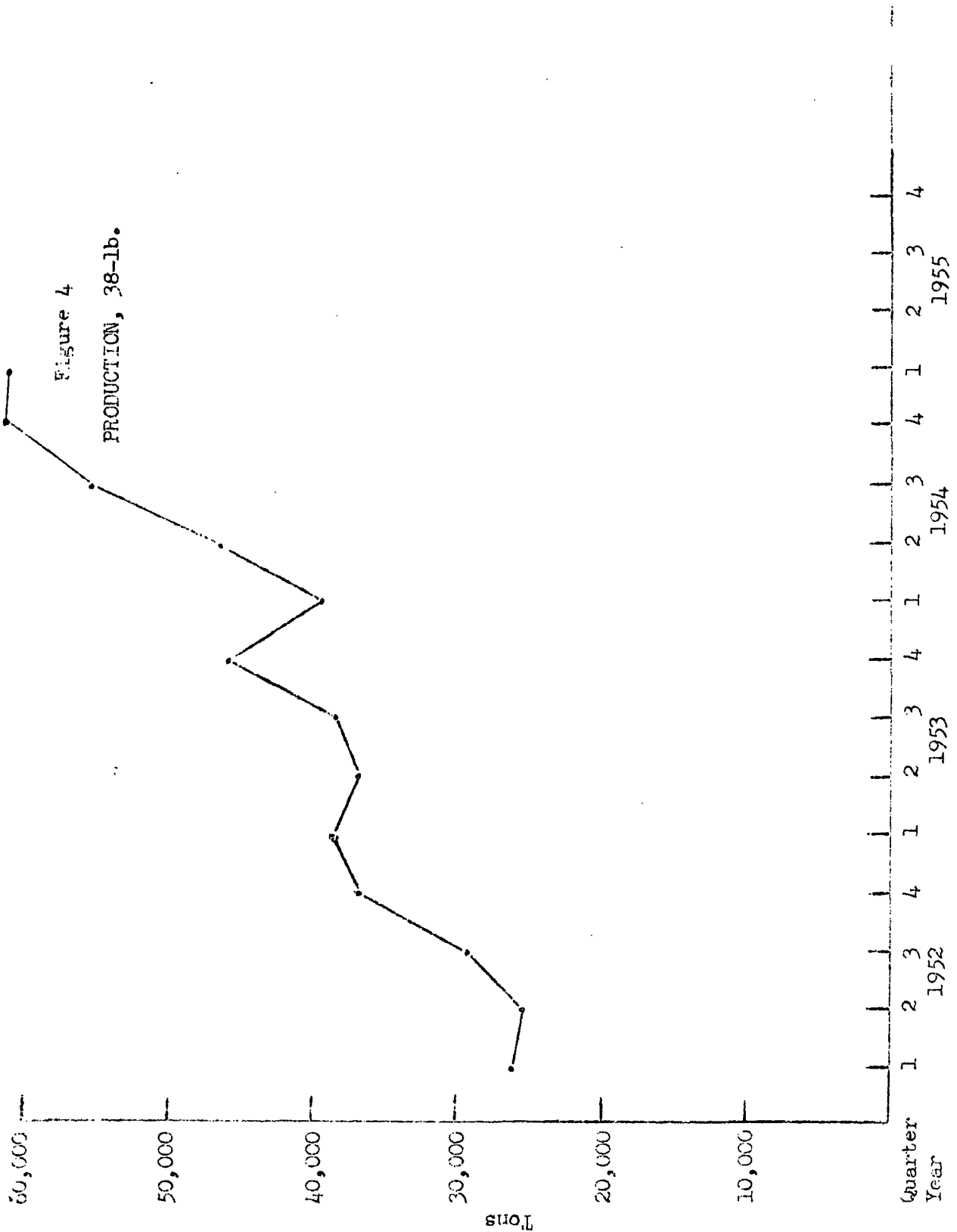
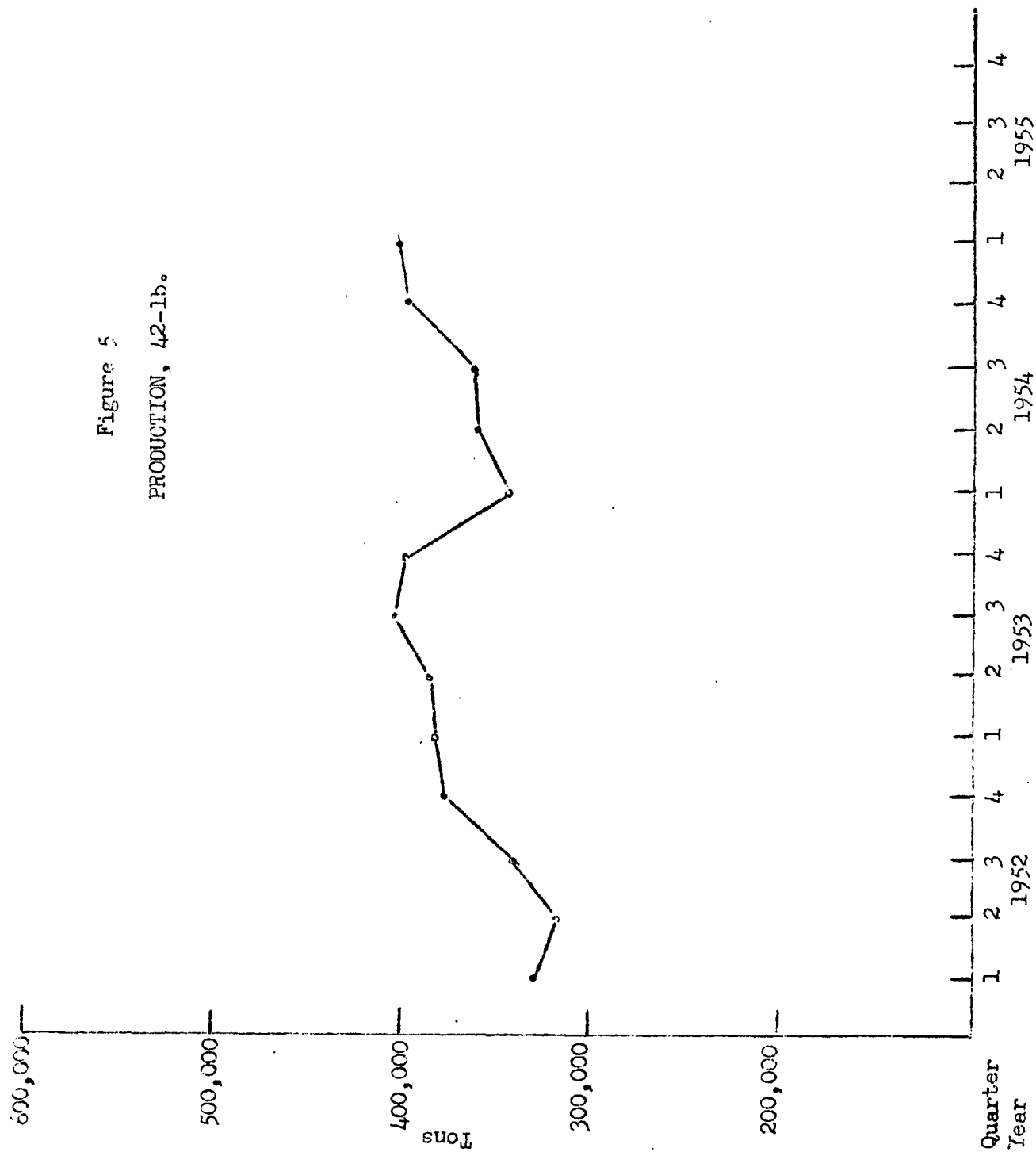
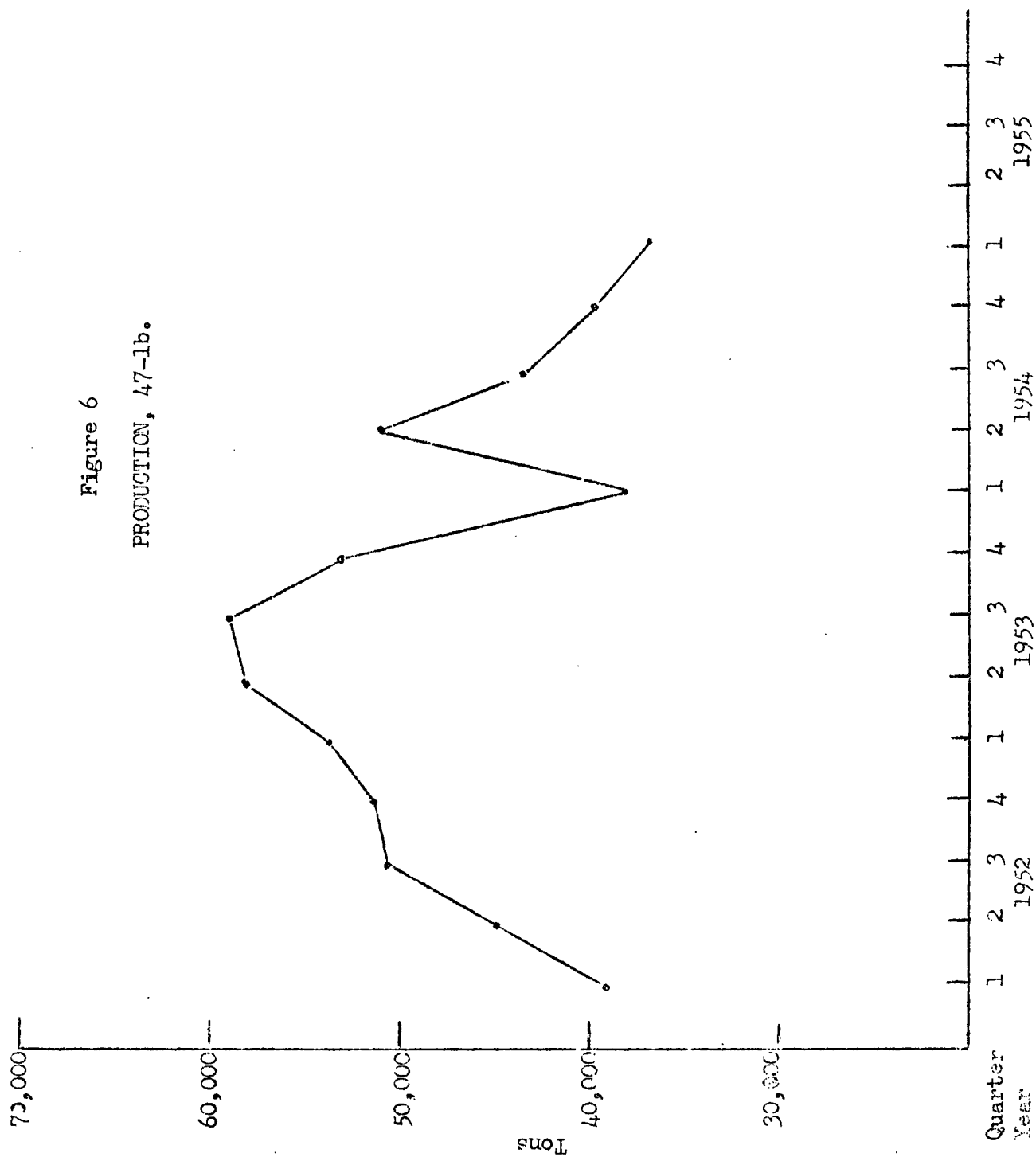
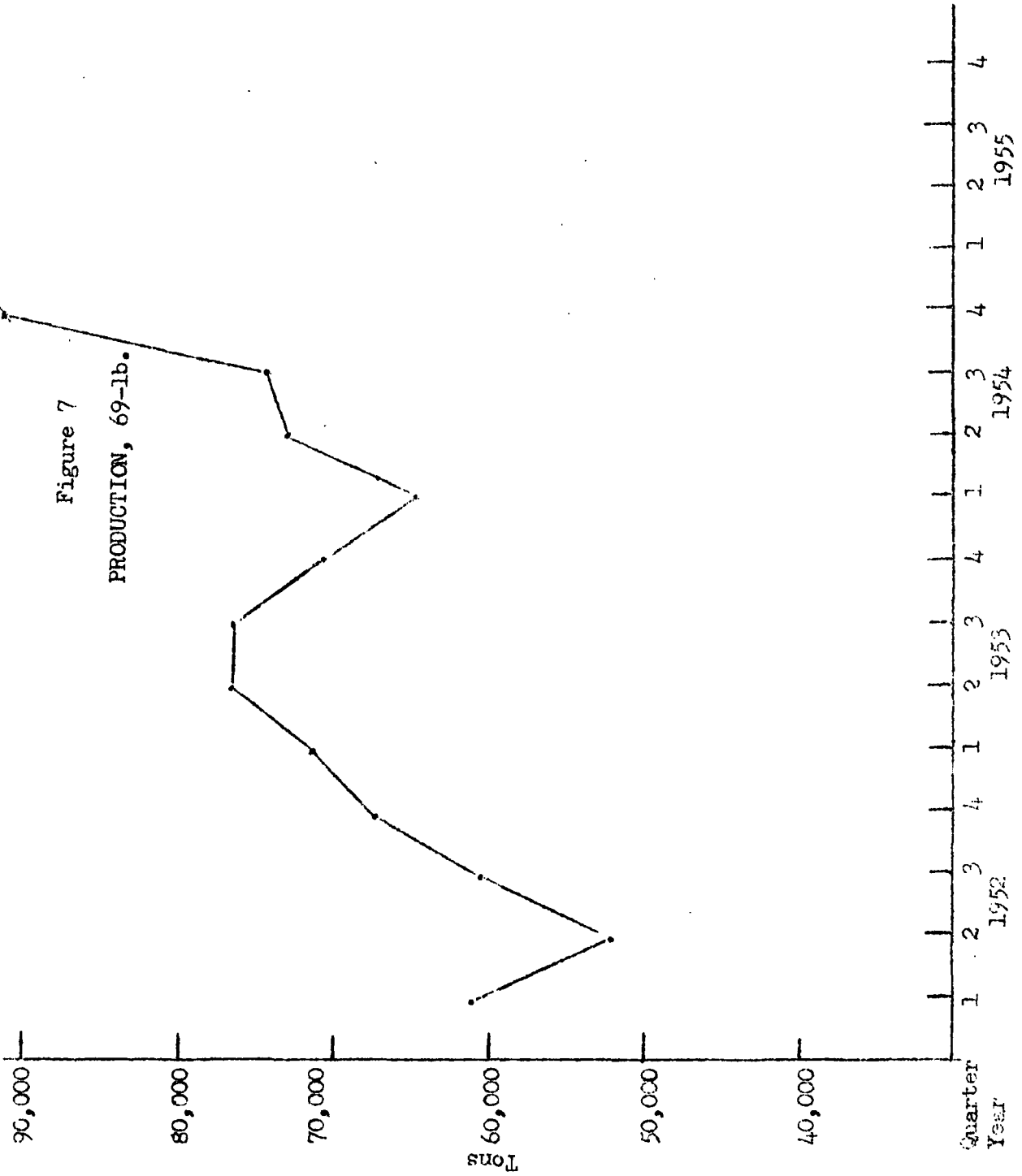
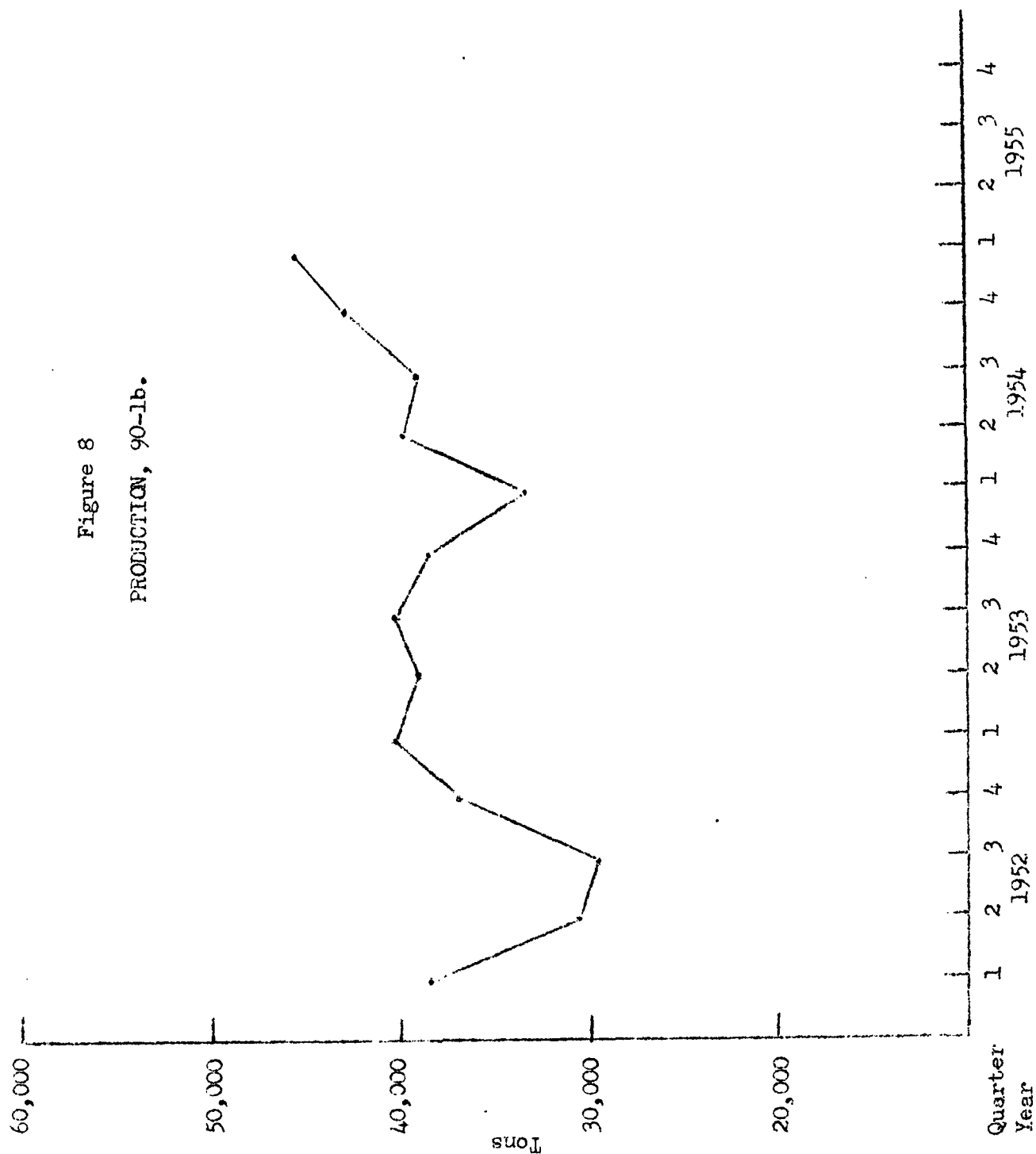


Figure 5  
PRODUCTION, 42-1b.









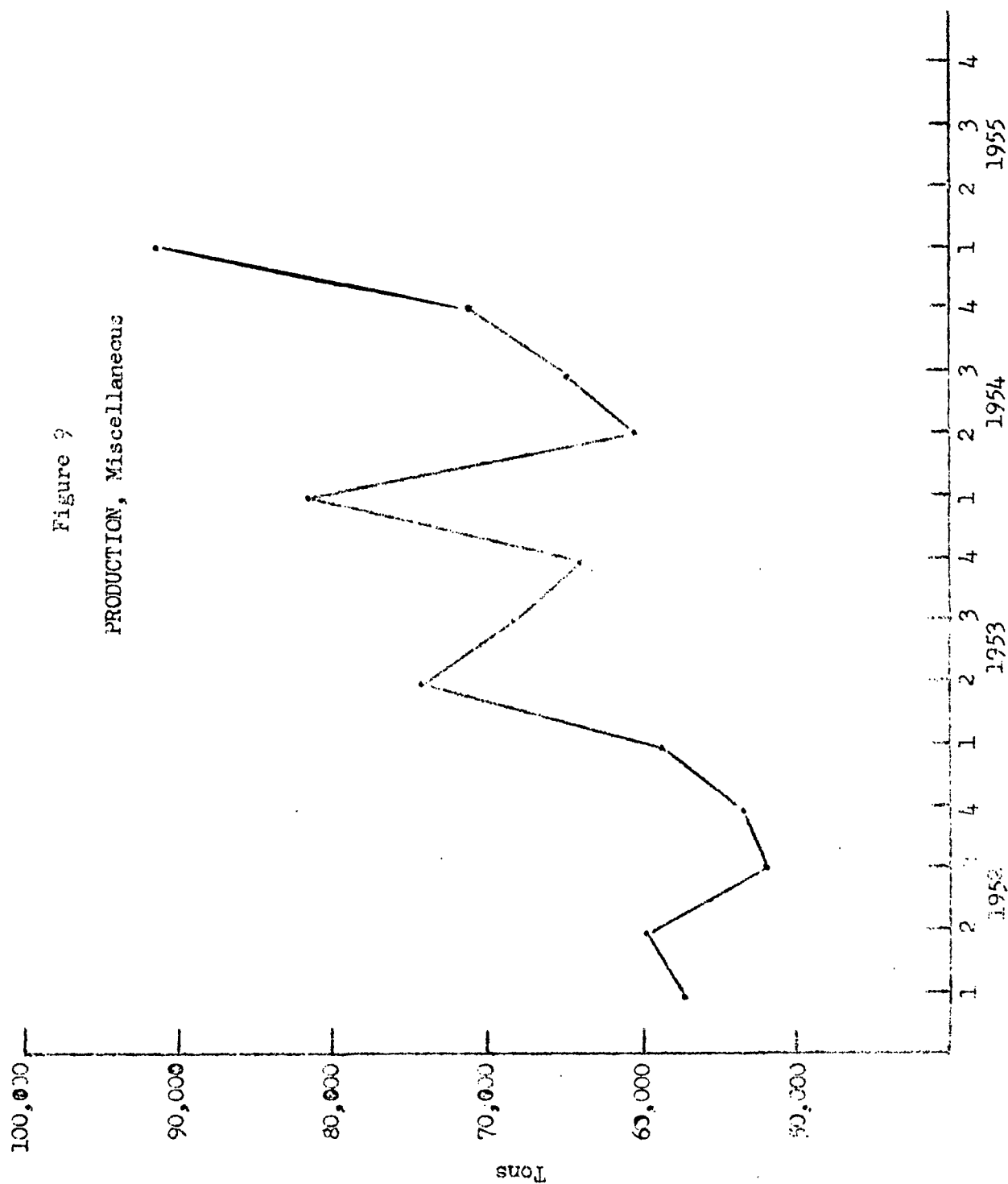
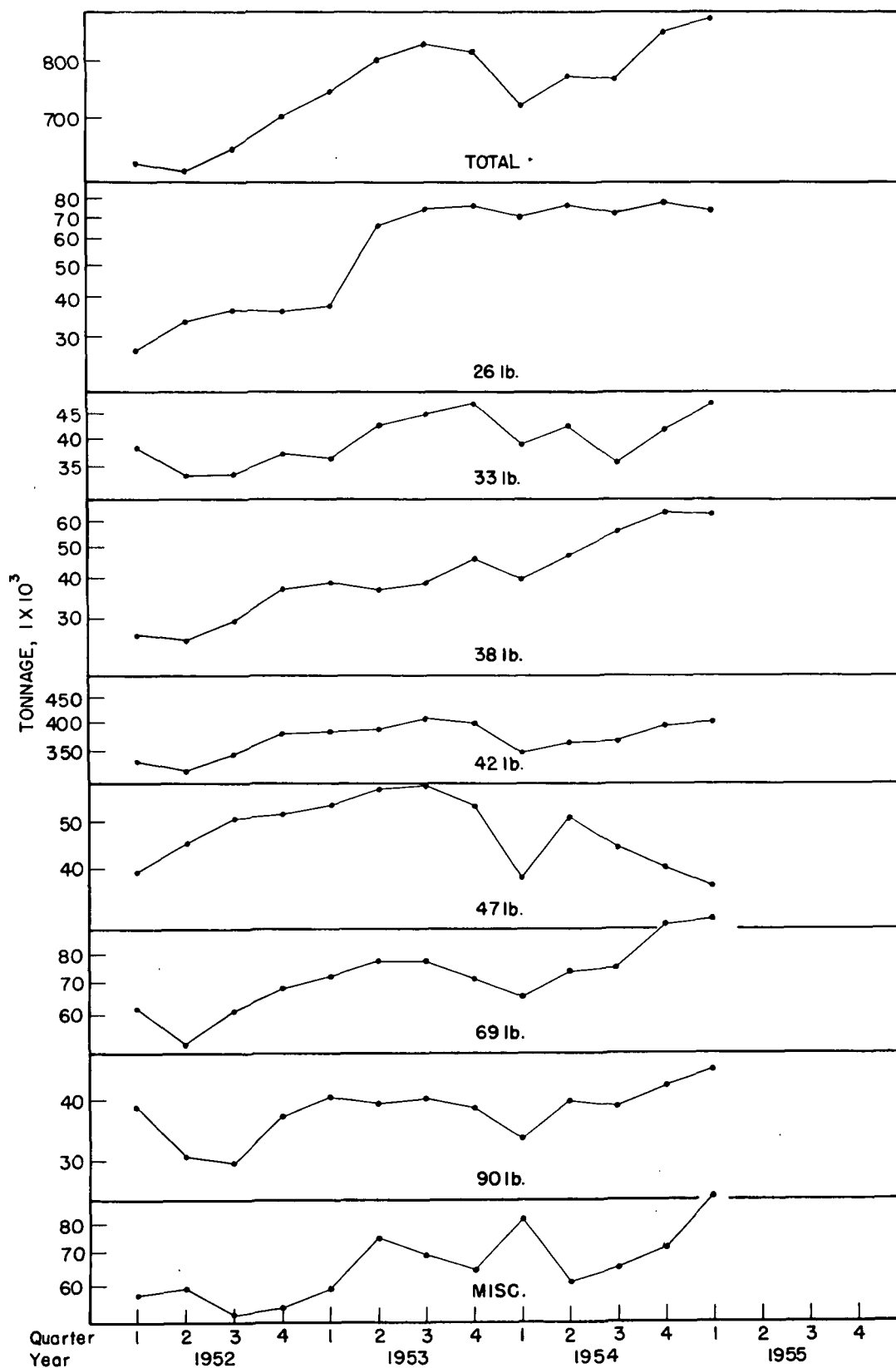




Figure 10  
Comparison of Percentage Changes in Production for All Grades



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